

ELECTROCHEMICAL GAS SENSORS

**SPECIFICATION SHEET FOR HYDROGEN CYANIDE -SENSOR
TYPE HCN/M-100**

PERFORMANCE CHARACTERISTICS

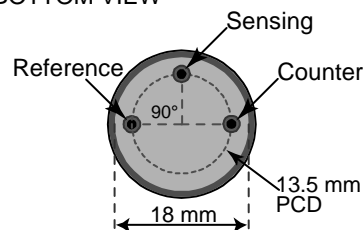
Nominal Range	0 – 100 ppm
Maximum Overload	n.d.
Expected Operation Life	2 years in air
Output Signal	140 ± 40 nA/ppm
Resolution	0.9 ppm
Temperature Range	- 20 °C to + 50 °C
Pressure Range	Atmospheric ± 10 %
Pressure Coefficient	No data
T ₉₀ Response Time	< 20 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	-1 ppm to +1 ppm
Maximum Zero Shift	n.d.
Long Term Output Drift	n.d.
Recommended Load Resistor	10 Ohm
Bias Voltage	Not recommended
Repeatability	< 2 % of signal
Output Linearity	Linear

PHYSICAL CHARACTERISTICS

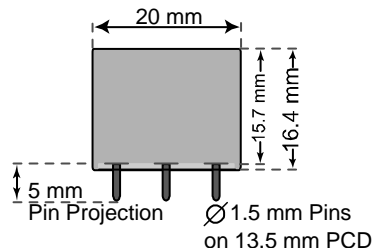
Weight	~ 5.4 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

Miniature-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



CROSS-SENSITIVITY DATA

Interfering Gas	Concentration	Reading
CO	100 ppm	~ 2 ppm
H ₂ S	15 ppm	~ 25 ppm
SO ₂	20 ppm	~38 ppm
NO	35 ppm	0 ppm
NO ₂	5 ppm	~ -12 ppm
H ₂	100 ppm	~ 2 ppm
Ethylene	100 ppm	0 ppm

Performance data conditions:
20 °C, 50% RH and 1013 mbar

APPLICATIONS

Safety and Environmental Control
For Portable Gas Detectors

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